Evergreen Field Office Technical Guide Section II-A April 2002

#### Physical Properties of the Soils

#### Conecuh County, Alabama

NOTE: Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map symbol	   Depth	   Sand	   Silt	   Clay	   Moist	Permea-	  Available	l Linear	   Organic	Erosi	on fac	tors	Wind  erodi-	Wind  erodi-
and soil name	<u>-</u>	1	1	1	bulk		water			i	1		bility	
and boll name	i I	i İ	i	, 	density	(Ksat)	capacity			Kw	Kf		group	
	l	l	l	l	ll		l	l	I	1	l	l	l	1
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct	1				1
ArE:	l 	 	 	 			1		 	1	 	l I	 	1
Arundel	I 0-7			I 2-12	1.40-1.70	1.98-5.95	0.06-0.12	0.0-2.9	0.5-1.0	1.28	.28	I 3		
	7-24				11.55-1.65		10.12-0.18			1.32	1.37	ĺ	i	i
	24-60	· 	· 	0-0			10.00-0.00		· 			i	i İ	į
	ļ		!	1	! !		1		I	1				1
AtA: Atmore	I I 0-14			   2 <b>=</b> 12	  1 35=1 65	0.57-1.98	10 12-0 20	   0 0=2 9	0.5-3.0	1.32	   .32	   5	3	l I 86
Aciliote	1 14-38					0.57-1.98			0.5 5.0	1.37	1.37	1	1	1 00
	1 38-62			•		0.20-0.57				1.32		i		
		i	İ	10 10		0.20 0.07			i			i	İ	i
BbA:							1		I	1				
Bibb	0-32					0.57-1.98			1.0-3.0	1.20	.20	5	3	86
	32-60			2-18	1.45-1.75	0.57-1.98	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			1
BqA:	 	 	 	 	 		1		 	1	 	1	1	1
Bigbee	0-6	·		1 1-10	ı 11 40–1 501	5.95-19.98	10 05-0 10	. 0 0-2 9	0.5-2.0	1 .10	1.10	15	i	i
219200	6-80					5.95-19.98				1.17	1.17	İ	İ	i
	İ	İ	İ	İ	i i		İ		İ	i	İ	İ	İ	İ
BoA:	[								1					
Bonneau	0-28					5.95-19.98			0.5-2.0	1.10	.10	5	2	134
	28-43					0.57-1.98			0.0-0.5	1.20	.20			
	43-72			15-40	1.40-1.60	0.57-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
CaA:	 	 	 	 	 		l l		l I	I	 	l I	 	1
Cahaba	0-14			7-17	1.35-1.60	1.98-5.95	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	I 5	I 3	86
	14-37	·	i	18-35	11.35-1.60	0.57-1.98	10.12-0.20	0.0-2.9		.28	.28	i	İ	i
	37-72			4-20	11.40-1.70	1.98-19.98	0.05-0.10	0.0-2.9		.24	.24	İ	İ	İ
Cla 7.	ļ.		[											
CbA: Cahaba	I I 0-12		 	   7-17	I 35-1 60 I	1.98-5.95	10 10-0 14	I I	1 0.5-2.0	1 .24	1 .24	l I 5	1 3	I 86
Canapa	1 12-37	l				0.57-1.98			1 0.3-2.0	1 .24	1 .24	1	1 2	1 00
	1 37-80					1.98-19.98				1 .24	1 .24	l		İ
	3. 50	İ	i İ	1 20		,,,		<u></u> ,	i			İ	İ	İ
Bigbee	0-6			1-10	1.40-1.50	5.95-19.98	0.05-0.10	0.0-2.9	0.5-2.0	.10	.10	5		
	6-80			1-10	11.40-1.50	5.95-19.98	10.05-0.08	0.0-2.9		1.17	.17	I	I	I

Map symbol	Depth	   Sand	   Silt	   Clay	   Moist		  Available		   Organic	Erosi	on fact		erodi-	Wind - erodi-
and soil name		 			bulk   density		water    capacity		matter   	   Kw	   Kf 		bility   group	
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct	<u> </u>	<u> </u>	<u>'</u>		
ChA:		1	 	 	 		 	 	 	1	 	l I	 	 
Chrysler	0-6	i		10-20	  1.35-1.55	0.57-1.98	0.12-0.16	0.0-2.9	0.5-2.0	.28	.28	I 5	3	86
_	6-72			35-60	1.20-1.50	0.06-0.20	0.14-0.18	3.0-5.9	0.0-0.5	1.32	.32		İ	İ
	72-90			10-60	1.20-1.50	0.06-0.20	0.12-0.16	0.0-2.9	0.0-0.5	.32			1	1
Yonges	0-3		 	10-27	  1.30-1.60	0.57-1.98	0.15-0.20	   0.0-2.9	1.0-5.0	1 .28	1 .28	I I 5	   5	   56
	3-57			18-40	1.30-1.60	0.20-0.57	0.13-0.18	0.0-2.9		1.17	.17		İ	İ
	57-90			10-35	1.30-1.50	0.57-1.98	0.12-0.16	0.0-2.9		1.20	.20			
	60-80													
CoC:			 	 	 			 						
Conecuh	0-3			7-25	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.5-2.0	1.28	.28	5	3	86
	3-50			45-70	1.30-1.55		0.08-0.19	6.0-8.9	0.0-0.5	1.32	.32			
	50-72					0.00-0.00								
CwC:			 	 	 			 						
Cowarts	0-11			5-20	1.30-1.65	1.98-5.95	0.08-0.13	0.0-2.9	1.0-3.0	.24	.24	4	3	86
	11-18				1.30-1.50				0.2-1.0	.28	.28			
	18-25				1.30-1.50				0.0-0.5	1.28	.28			
	25-60			18-35	1.65-1.80  	0.06-0.57	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24	 	 	 
FuB:			İ		' 					i	İ	İ	İ	İ
Fuquay	0-29				1.60-1.70				0.5-2.0	1.15	1.15	5	2	134
	29-35					0.57-1.98				1.20	.20			
	35-75			20-35	1.40-1.60  	0.06-0.20	0.10-0.13	0.0-2.9		1 .20	.20	 	 	 
GrA:		i	İ	İ	i i				İ	i		İ	İ	İ
Greenville						0.57-5.95			0.5-2.0	.24	.24	5	3	86
	9-80			35-55	1.35-1.55	0.57-1.98	0.14-0.18	0.0-2.9	0.0-0.5	1.17	.17	 		
GrB:		İ	İ							i			İ	İ
Greenville	0-9					0.57-5.95				.24	.24	5	3	86
	9-80			35-55	1.35-1.55	0.57-1.98	0.14-0.18	0.0-2.9	0.0-0.5	.17	.17			
GuC:								 						
Greenville	0-9			•		0.57-5.95		•	0.5-2.0	.24	.24	5	3	86
	9-80			35-55	1.35-1.55	0.57-1.98	0.14-0.18	0.0-2.9	0.0-0.5	.17	.17			
Urban Land	0-60		 		 		10.00-0.00	 			 	   -		
		i	İ	İ					i	i	i	i	i	i

Map symbol and soil name	   Depth	   Sand	   Silt	   Clay	   Moist		  Available		   Organic	Erosi	on fac	LOTS	erodi-	Wind  erodi-
	   	   	 	   	bulk   density		water  capacity		matter   	   Kw 	   Kf	   T 	bility  group	
	   In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct	<u>'</u>	<u> </u>	<u> </u>	<u> </u>	<u>'</u>
GyC:	 		 	 	 			 	 				 	1
Gritney	0-13			10-25	1.30-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	1.28	.28	4	3	86
	13-49			35-60	1.30-1.50	0.06-0.20	0.10-0.17	3.0-5.9	0.0-0.5	1.32	.32			
	49-80			10-35	1.30-1.50	0.06-5.95	0.06-0.12	0.0-2.9	0.0-0.1	.20	.28	Į.	1	1
Malbis	I I 0-6		 	   10-25	  1.30-1.60	0.57-1.98	10.10-0.15	   0.0-2.9	0.5-1.0	1 .24	1.24	I I 5	1 3	I I 86
	6-28	i	·	18-33	1.30-1.70	0.57-1.98	0.12-0.20	0.0-2.9		1.28	.28	i	i	
	28-37	i	·	I 20-35	11.40-1.60	0.57-1.98	0.12-0.17	0.0-2.9	i	i .28	.28	i	İ	i
	37-72	i	i			0.20-0.57			·	.28	.28	i	i	i
Fuguav	l I 0-29			   2=10	  1 60=1 70	   5.95-19.98	10 04-0 09	1 0 0-2 9	0.5-2.0	1.15	   .15	1 5	1 2	1 134
raqaay	1 29-35		·			0.57-1.98				1 .20	1 .20	1	-	1 101
	35-75	1	i			0.06-0.20				1.20		i	İ	İ
HaC:			Į.					 				1		
Halso	I 0-5	l 	l	I 6_20	I 30_1 60 I	0.57-1.98	I IO 11_O 15	1 0 0-2 0	0.5-2.0	1 .28	1 .28	1 /	1 3	1 86
naiso	0-3   5-41					0.00-0.06				1 .32	1 .32	1 4	1 2	1 00
	1 41-48	1		•		0.00-0.06				1 .24	1.37	1	1	1
	48-60		i			0.00-0.00						i	İ	İ
IbA:	 		 	 	 			 					1	
Izagora	I 0-8			1 1 10-20	11 40-1 601	1.98-5.95	10 16-0 22	0.0-2.9	0.5-2.0	1.37	1.37	1 5	1 5	1 56
1249014	8-33	i		•		0.57-1.98				1.32	1.32	i		1
	33-80	i	i			0.06-0.20				.32	.32	i	i	i
Bethera	l I 0-6		 	   5-20	  1.30-1.50	0.57-1.98	10.11-0.16	   0.0-2.9	1 1.0-6.0	1.24	1 .24	   5	   3	l l 86
200024	6-62		i			0.06-0.57			0.5-1.0	.32	.32			
LuC:	 		1	 				 		1			1	
Luverne	I 0-6	i		1 1 7-20	1 . 35–1 . 65	1.98-5.95	10.11-0.15	1 0.0-2.9	0.5-1.0	1.24	.24	1 5	1 3	1 86
	i 6-28	i				0.20-0.57				1.28	1.28	i	i	i
	28-40	i	·			0.20-0.57				1.28	.28	i	i	i
	40-65			10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9		1.28	.28	İ	İ	İ
LuD:	 		 	 	 		 	 		1		1	1	1
Luverne	I 0-6	i	·	7-20	1.35-1.65	1.98-5.95	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	I 5	i 3	I 86
	6-28			35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	i	.28	.28	i	İ	i
	28-40			20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9		1.28	.28	İ	İ	İ
	40-65			10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9		.28	.28	ļ		1
MaB:	 	 	I I	 	 		 	 	I I		 	 	1	I
Malbis	0-6			10-25	1.30-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	6-28			18-33	1.30-1.70	0.57-1.98	0.12-0.20	0.0-2.9		1.28	.28			
	28-37					0.57-1.98	1				.28			
	1 37-72					0.20-0.57			l		1.28			

Dulk   Dulk   Shifty   Water   Extensi   Water   Ke   Ki   T   Group	Map symbol	   Depth	   Sand	   Silt	   Clay	   Moist		  Available		   Organic	Erosi	on fac	tors	erodi-	
Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Oktibbeha- Occ: Occ: Oktibbeha- Occ: Occ: Occ: Occ: Occ: Oktibbeha- Occ: Occ: Occ: Occ: Occ: Occ: Occ: Occ	and soil name	   	   	   	   	bulk   density	bility   (Ksat)	•		matter   	   Kw	   Kf 	   T 		
Oktibbeha		In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct			<u> </u>	<u> </u>	
3-36       60-80 1.00-1.30  0.00-0.06   0.12-0.16  6.0-8.9     .32   .32   36-60       50-70 1.10-1.40  0.00-0.06   0.05-0.10  6.0-8.9     .32   .32   32   36-60       50-70 1.10-1.40  0.00-0.06   0.05-0.10  6.0-8.9     .32   .32   32   32   34-70   39-60 1.20-1.45  0.00-0.06   0.05-0.10  0.0-2.9   0.5-5.0   .37   .37   5     4-40       39-60 1.20-1.45  0.00-0.06   0.18-0.20  0.0-2.9   0.5-5.0   .37   .37   5     32   .32   32   32   32   32   32   3	OcC:														
Cadeville	Oktibbeha	, ,				1				3.0-6.0			5	6	48
Cadeville					,	1									
A 4-0       39-60 1.20-1.45  0.00-0.06   0.18-0.20   6.0-8.9     .32   .32		36-60			50-70	11.10-1.40	0.00-0.06	10.05-0.10	6.0-8.9		.32	.32			
OrB:  Orangeburg	Cadeville	0-4			1 10-27	11.30-1.65	0.57-1.98	10.15-0.20	1 0.0-2.9	0.5-5.0	1.37	1 .37	I I 5		
OrB: Orangeburg		4-40	i	i	39-60	1.20-1.45	0.00-0.06	0.18-0.20	6.0-8.9	i	.32	.32	i	İ	İ
Orangeburg		40-72	i		30-60	1.20-1.65	0.06-0.20	0.18-0.20	6.0-8.9		.32	.32	ĺ	İ	İ
Orangeburg	OrB.								 			1			
OSE:  OKtibbeha		0-6			7-15	11.30-1.50	1.98-5.95	10.07-0.10	0.0-2.9	0.5-2.0	1.20	1.20	1 5	1 3	1 86
OSE: Oktibbeha	3 3	6-12	i	i	7-18	1.50-1.65	1.98-5.95	0.09-0.12	0.0-2.9	i	.20	.20	i	İ	İ
Oktibbeha		12-72	i		18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9		.24	.24	ĺ	İ	İ
Oktibbeha	OGE.	[													
3-36		I U=3			1 27-40	I I1 20-1 50I	   0 06=1 98	10 13-0 17	1 130-59	130-60	1 32	1 32	1 5	1 6	I 48
Saffell	Oktibbella		·	i		1		100-0	,	1			1	1	1 40
S-28       10-35 1.35-1.60  0.06-1.98  0.06-0.15  0.0-2.9  0.5-1.0  .28  .28    28-43      12-35 1.35-1.60  0.57-5.95  0.04-0.11  0.0-2.9  0.0-0.5  .28  .32    43-60      10-25 1.30-1.65  0.57-5.95  0.04-0.11  0.0-2.9  0.0-0.5  .17  .20			i	i				•					i	i	i
S-28       10-35 1.35-1.60   0.06-1.98   0.06-0.15   0.0-2.9   0.5-1.0   .28   .28										!					
28-43       12-35 1.35-1.60  0.57-1.98   0.06-0.12  0.0-2.9   0.0-0.5   .28   .32	Saffell											.24	5	3	86
Ouc: Orangeburg													1		
Ouc: Orangeburg														1	1
Orangeburg		13 00	<u> </u>	i	10 20		0.37 3.33				• ± /	.20	i	i	i
6-12       7-18 1.50-1.65  1.98-5.95  0.09-0.12  0.0-2.9     .20  .20		1						1	l	I					
12-72       18-35 1.60-1.75  0.57-1.98   0.11-0.14  0.0-2.9     .24   .24	Orangeburg												5	3	86
Urban Land										1					
PITS:  Pits		12-72			18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9		.24	.24		1	1
Pits	Urban Land	0-60						0.00-0.00					i -	i	
Pits		1						I	l	I					
PoB:									<u> </u>						
Poarch	Pits	1 0-60						10.00-0.00					-	8	0
RbB:  Red Bay	PoB:	İ		İ	! 						i	i	i	i	
RbB: Red Bay	Poarch	0-8	i		5-15	1.35-1.55	1.98-5.95	0.10-0.15	0.0-2.9	0.5-1.0	1.20	.20	5	3	86
RbB: Red Bay										1					
Red Bay		44-72			10-25	11.45-1.65	0.20-0.57	0.10-0.20	0.0-2.9		.24	.24	[	1	1
Red Bay	RhB.	 		1	 	 		1	 	1	1	 		1	1
TaC:		0-5			7-20	11.40-1.55	1.98-5.95	10.07-0.14	0.0-2.9	0.5-2.0	1 .20	1.20	1 5	1 3	l 86
TaC:		5-9	i	i				1			1.15	1.15	i		
		9-80			18-35	1.30-1.50	0.57-1.98	0.12-0.17	0.0-2.9		1.17	1.17	ĺ	İ	İ
	Ma C .	[			1							1			1
1 0 02       2 12 1.30 1.70  3.30 13.30 0.00 0.12  0.0 2.3   0.0 1.0   .10   .10   3   2		I 0-62		 	   2-12	  1 30=1 70	   5 95-19 98	10 08-0 12	I I	I I 0 5-1 0	I I 10	I I 10	I I 5	1 2	1 134
62-92       15-35 1.40-1.60  0.57-1.98  0.10-0.13  0.0-2.9     .20   .20	11000		· 	i									1	-	1 101

Map symbol	   Depth	   Sand	   Silt	   Clav	   Moist	Permea-	  Available	   Linear	   Organic	Erosi	on fac	tors		Wind  erodi-
and soil name			 		bulk     density	bility   (Ksat)		extensi-   bility	matter	Kw	   Kf		bility  group	bility  index
	In	Pct	Pct	Pct	   g/cc	In/hr	   In/in	Pct	Pct	.¦		 		
TgD:				 	 		 	 						
Troup	0-62			2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	1.10	1.10	5	2	134
	62-92			15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9		1.20	.20			
Gritney	0-13			10-25	  1.30-1.50	1.98-5.95	0.08-0.12	0.0-2.9	0.5-2.0	1.28	1 .28	4	3	86
	13-49			35-60	1.30-1.50	0.06-0.20	0.10-0.17	3.0-5.9	0.0-0.5	1.32	.32			
	49-80			10-35	1.30-1.50	0.06-5.95	0.06-0.12	0.0-2.9	0.0-0.1	1.20	.28			
Saffell	0-5			   5-20	  1.30-1.60	1.98-5.95	0.08-0.20	   0.0-2.9	1.0-2.0	1 .24	1.24	   5	3	86
	5-28			10-35	1.35-1.60	0.06-1.98	0.06-0.15	0.0-2.9	0.5-1.0	1.28	.28	1	1	1
	28-43			12-35	1.35-1.60	0.57-1.98	0.06-0.12	0.0-2.9	0.0-0.5	1.28	.32			
	43-60			10-25	1.30-1.65	0.57-5.95	0.04-0.11	0.0-2.9	0.0-0.5	1.17	.20			
ToE:	 	 	 	 	 		 	 	 	1		 	1	1
Troup	0-62			2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	1.10	.10	5	2	134
	62-92			15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9		.20	.20		1	1
Orangeburg	1 0-6			   7-15	  1.30-1.50	1.98-5.95	  0.07-0.10	l l 0.0-2.9	0.5-2.0	1 .20	1.20	l I 5	1 3	I I 86
	6-12			7-18	11.50-1.65	1.98-5.95	0.09-0.12	0.0-2.9		1.20	.20	Ì	İ	İ
	12-72			18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9		.24	.24	İ I		
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YoA:	1 0 0	1	1	1007		0 55 1 00	10 15 0 00				1			
Yonges	0-3					0.57-1.98		•	1.0-5.0	1.28	.28	5	5	56
	3-57   57-90					0.20-0.57 0.57-1.98				1 .17	1.17	1		
	1 60-80			1 10-35	11.30-1.50	0.57-1.98	10.12-0.16	1 0.0-2.9		1 .20	1 .40	1	1	1
	1 00-80											1	1	1